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OBSTRUCTION DATA SHEET

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KANSAS CITY INTERNATIONAL AIRPORT
KANSAS CITY, MISSOURI

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OBSTRUCTION DATA SHEET

The Obstruction Data Sheet (ODS) provides digital obstruction and runway data for use in aircraft arrival and departure planning. This information has been obtained using field survey and photogrammetric methods by the Photogrammetry Branch of the National Ocean Service in accordance with Federal Aviation Regulations Part 77 (FAR-77), "Objects Affecting Navigable Airspace" and FAA Nr. 405, "Specifications - Airport Obstruction Chart and Related Products."

The ODS is a derivative of the Airport Obstruction Chart (OC). The source OC is indicated on the ODS cover. All objects, both obstructing and nonobstructing, that carry an elevation on the OC are listed in the ODS. The ODS (and OC) depict a representation of objects that existed at the time of the OC field survey.

ODS information is arranged as follows:

1. Objects located in FAR-77 approach (including supplemental approaches if present) or primary areas are listed with the associated runway (reference runway). For example, all objects in the Runway 9R approach or primary are listed with Runway 9R. Distances to these objects are computed from both the physical end and threshold of Runway 9R. Objects in the Runway 27L approach or primary are listed with Runway 27L. (Objects in the common 9R/27L primary area are listed with both runways.)

2. All objects not included in "1" above are listed with the Airport Reference Point (ARP).

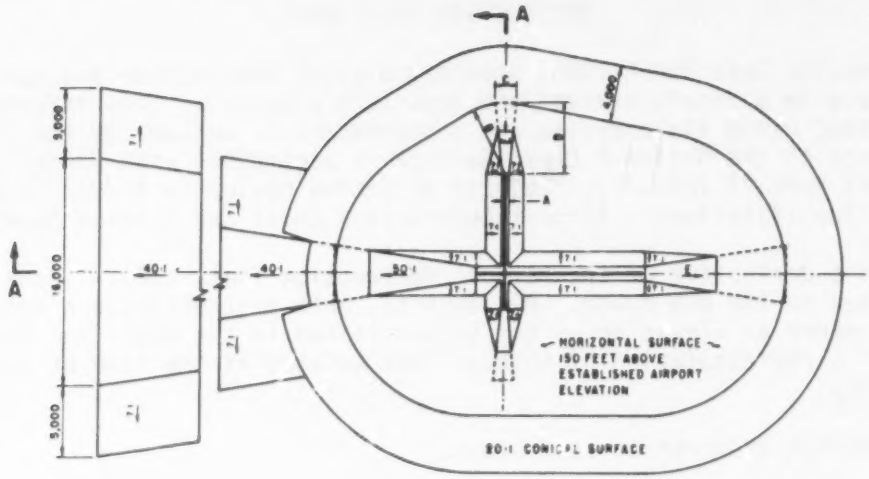
3. Runway configuration and runway lengths, widths, and elevations are presented on the ODS last page.

The FAR-77 imaginary approach surfaces for which the obstruction surveys were performed are coded in the ODS as follows (see footnote 2 on page 3):

A(V) ..... Utility runway - visual approach only
A(NP) .... Utility runway - nonprecision instrument approach
B(V) ..... Nonutility runway - visual approach only
C .... Nonutility runway - nonprecision instrument approach with visibility minimums greater than 3/4 mile
D .... Nonutility runway - nonprecision instrument approach with visibility minimums as low as 3/4 mile
PIR ...... Precision instrument runway
SUPLC ... Supplemental C underlying a B(V)

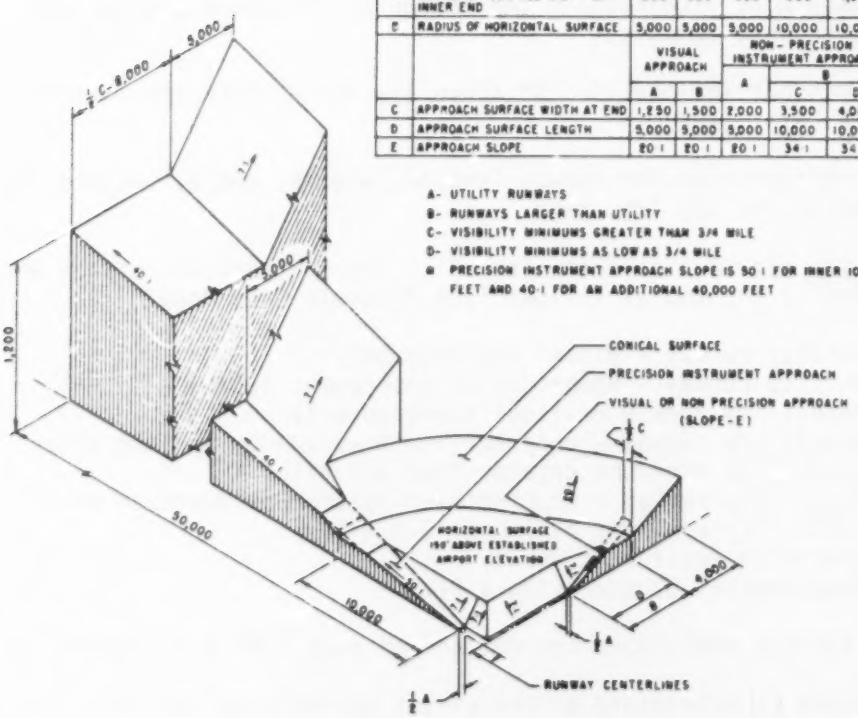
FAR-77 imaginary surface dimensions are defined on page 2 of this report.

Primary surface width is determined by the widest approach at the two approach/primary interfaces for that runway.



DIM	ITEM	DIMENSIONAL STANDARDS (FEET)					
		VISUAL RUNWAY		NON-PRECISION INSTRUMENT RUNWAY			PRECISION INSTRUMENT RUNWAY
		A	B	A	B		
					C	D	
A	WIDTH OF PRIMARY SURFACE AND APPROACH SURFACE WIDTH AT INNER END	250	500	500	500	1,000	1,000
B	RADIUS OF HORIZONTAL SURFACE	5,000	5,000	5,000	10,000	10,000	10,000
		VISUAL APPROACH		NON-PRECISION INSTRUMENT APPROACH			PRECISION INSTRUMENT APPROACH
		A	B	A	B		
					C	D	
C	APPROACH SURFACE WIDTH AT END	1,250	1,500	2,000	3,500	4,000	16,000
D	APPROACH SURFACE LENGTH	5,000	5,000	5,000	10,000	10,000	@
E	APPROACH SLOPE	20:1	20:1	20:1	34:1	34:1	@

A- UTILITY RUNWAYS
B- RUNWAYS LARGER THAN UTILITY
C- VISIBILITY MINIMUMS GREATER THAN 3/4 MILE
D- VISIBILITY MINIMUMS AS LOW AS 3/4 MILE
@ PRECISION INSTRUMENT APPROACH SLOPE IS 50:1 FOR INNER 10,000 FEET AND 40:1 FOR AN ADDITIONAL 40,000 FEET



ISOMETRIC VIEW OF SECTION A-A

FAR-77 CIVIL AIRPORT IMAGINARY SURFACES

ANNOTATION OF ODS DATA FORMAT

OC XXXX

AIRPORT ELEVATION XXXX

X[1] X[2] XXXX/XXXX[3] XXXXXX.XXX[4] XXXXXXX.XXX[4] XXXXXXX[5] XXXX/XXXX[6] XXXXXX.XXX[7] XXXXXXX.XXX[7]

OBJECT	LAT	LONG	A[8]	ELEV[9]	AGL[10]	HAR[11]	HAT[11]	HAA[11]	DEND[12]	DTHR[12]	DCLN[12]	PNTR[13]
XXXXXXXXXXX	XXXXXX.XXX	XXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX
XXXXXXXXXXX	XXXXXX.XXX	XXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX

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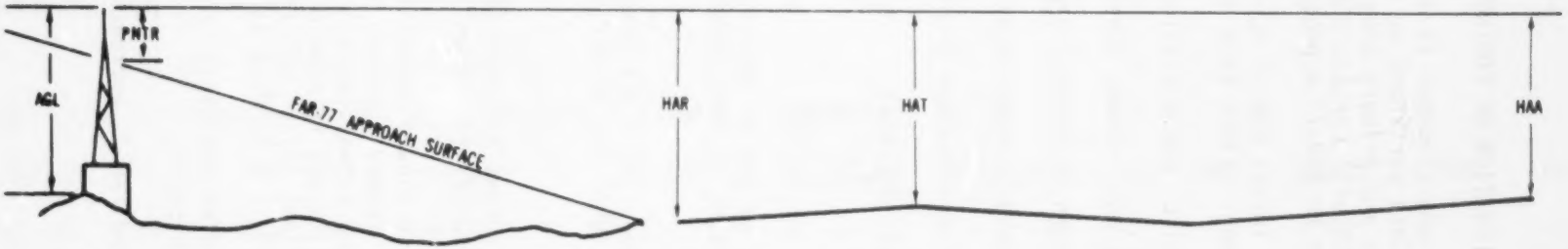
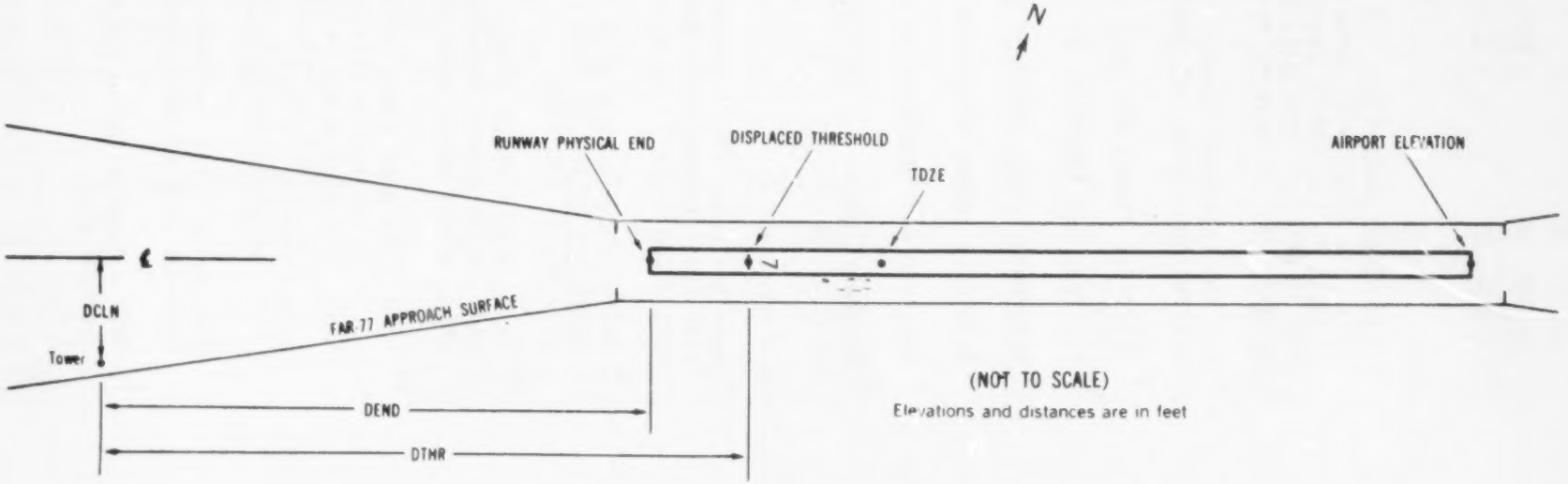




(NOT TO SCALE)

Elevations and distances are in feet

EXPLANATION OF FOOTNOTES

[1] Data block identifier. If a runway number is entered (reference runway), this data block will contain data pertinent to the reference runway and to objects in the FAR-77 approach and primary area of the reference runway. If ARP is entered, this data block will contain the ARP position and data relative to all objects not in an FAR-77 approach or primary area.

[2] For the reference runway, the lowest FAR-77 approach surface for which an obstruction survey was performed. (More than one surface may be surveyed.)

[3] Reference runway approach physical end elevation/touchdown zone elevation

[4] Latitude and longitude of reference runway approach physical end

[5] Reference runway geodetic azimuth reckoned clockwise from south

[6] Reference runway displaced threshold elevation/touchdown zone elevation

[7] Latitude and longitude of reference runway displaced threshold

[8] Accuracy Code:

Horizontal	Vertical
1 = 20	A = 2
2 = 40	B = 5
	C = 20

[9] Mean Sea Level (MSL) elevation at top of object. This value includes 15 feet added to noninterstate roads, 17 feet added to interstate roads, and 23 feet added to railroad tracks.

[10] Height above ground level (AGL). AGLs are provided only for those objects appearing on the OC that are equal to, or greater than, 200 feet AGL. AGL accuracy is ±10 feet.

[11] HAA - Height above airport
HAR - Height above reference runway approach physical end
HAT - Height above reference runway touchdown zone elevation

[12] DEND - Distance along reference runway centerline from point perpendicular to object to reference runway approach physical end
DTHR - Distance along reference runway centerline from point perpendicular to object to reference runway threshold
DCLN - Distance left (L) or right (R) of reference runway centerline as observed facing forward in a landing aircraft.

A negative value for DEND or DTHR indicates object is in primary area on roll-out side of zero distance point.

[13] PNTR - Penetration of indicated FAR-77 approach or primary surface (see footnote 2).

OC0780

AIRPORT ELEVATION 1026

1 PIR 1011/1011 391736.007N 0944344.680W 1925530

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON GLIDE SLOPE	391911.06	0944321.82	1A	1037		26	26	11	-9775		400L	56
OL ON WINDSOCK	391905.36	0944315.42	1A	989		-22	-22	-37	-9326		219R	7
OL ON TRANSMISSOMETER	391902.86	0944324.43	1A	995		-16	-16	-31	-8921		415L	11
OL ON TRANSMISSOMETER	391829.25	0944334.91	1A	1011		0	0	-15	-5422		456L	18
OL ON TRANSMISSOMETER	391753.72	0944345.14	1A	1015		4	4	-11	-1738		436L	11
OL ON LOCALIZER	391723.80	0944348.29	1A	1024		13	13	-2	1268		0R	-8
ANTENNA ON ANEMOMETER	391655.12	0944356.53	1A	1082		71	71	56	4240		17R	-10

19 PIR 977/988 391920.051N 0944313.940W 0125550

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON TRANSMISSOMETER	391753.72	0944345.14	1A	1015		38	27	-11	-9062		436R	11
OL ON TRANSMISSOMETER	391829.25	0944334.91	1A	1011		34	23	-15	-5378		456R	18
OL ON TRANSMISSOMETER	391902.86	0944324.43	1A	995		18	7	-31	-1880		415R	11
OL ON WINDSOCK	391905.36	0944315.42	1A	989		12	1	-37	-1474		219L	7
OL ON GLIDE SLOPE	391911.06	0944321.82	1A	1037		60	49	11	-1025		400R	56
ANTENNA ON BUILDING	391929.87	0944307.57	1A	984		7	-4	-42	1080		266L	-11

9 PIR 1014/1014 391727.099N 0944334.876W 2760708

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
POLE	391714.19	0944147.69	1A	1028		14	14	2	-8519		399R	4
ROD ON OL GLIDE SLOPE	391721.07	0944322.09	1A	1053		39	39	27	-1064		499R	39
OL ON LOCALIZER	391723.80	0944348.29	1A	1024		10	10	-2	1013		445R	-6
TREE	391735.90	0944358.88	1A	1031		17	17	5	1971		685L	-18
TREE	391725.51	0944402.12	1A	1053		39	39	27	2113		388R	1

OC0780

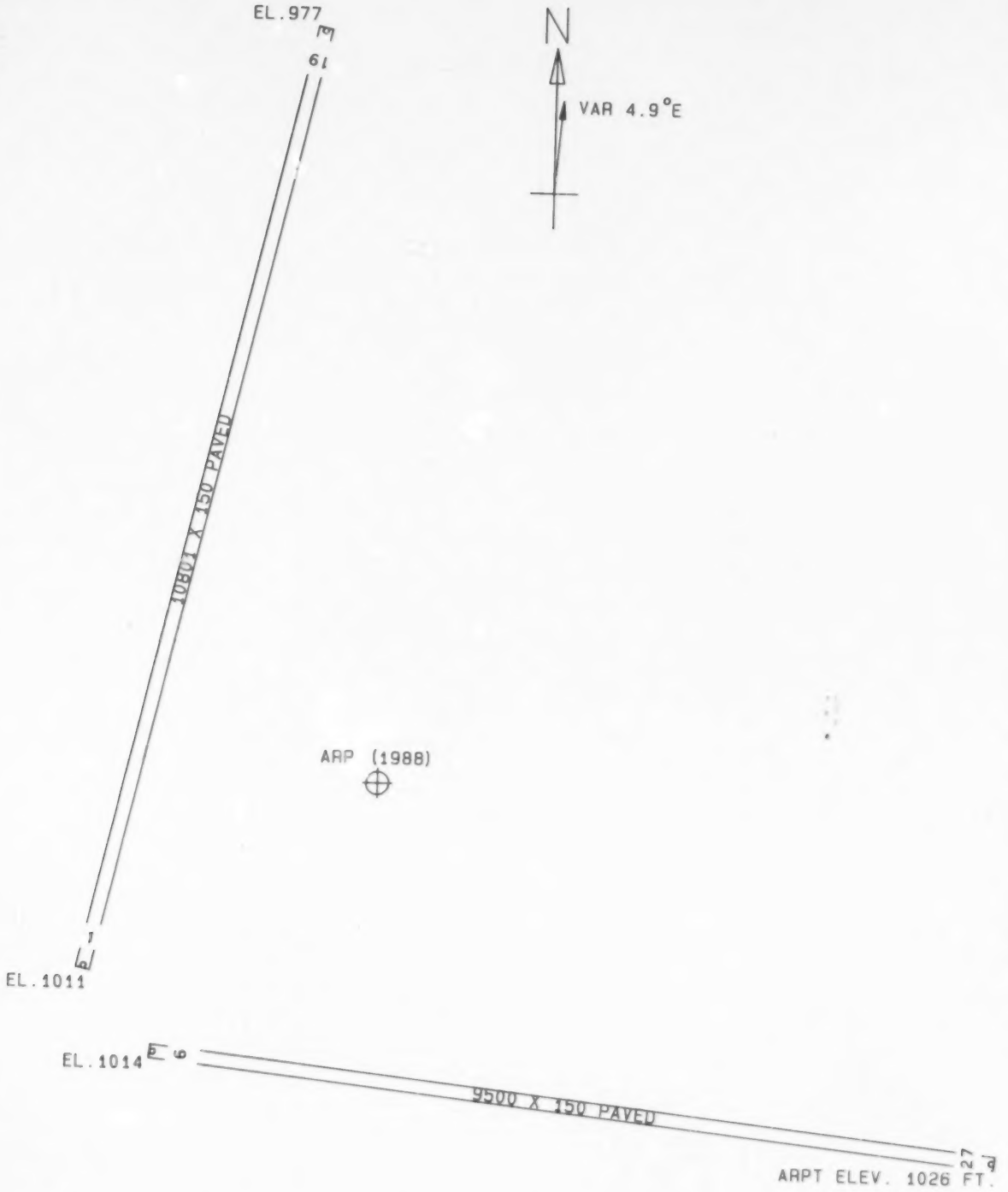
AIRPORT ELEVATION 1026

27 PIR 1026/1026 391717.074N 0944134.743W 0960824

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
ROD ON OL GLIDE SLOPE	391721.07	0944322.09	1A	1053		27	27	27	-8435		499L	39
POLE	391714.19	0944147.69	1A	1028		2	2	2	-981		399L	4
OL ON DME	391718.91	0944120.85	1A	1036		10	10	10	1066		301R	-7
LIGHT STANDARD	391722.43	0944109.47	1A	1056		30	30	30	1918		751R	-4
TREE	391704.96	0944057.54	1A	1101		75	75	75	3040		906L	18
TREE	391707.10	0944052.01	1A	1098		72	72	72	3449		643L	7
ANTENNA ON ANEMOMETER	391704.71	0944041.61	1A	1120		94	94	94	4288		797L	12

ARP 391757.173N 0944303.807W

OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE
OL ON CONSTRUCTION CRANE	391755.76	0944314.41	1A	1161		135	255 22	846
ANTENNA ON OL CONTROL TR	391750.78	0944254.63	1B	1233	241	207	127 0	969
ROD ON OL TRANSMISSOMETER	391718.68	0944322.47	1A	1031		5	195 45	4162
BEACON	391741.99	0944149.20	1B	1107		81	99 46	6063
OL ON FLOODLIGHT POLE	391727.77	0944146.75	1A	1088		62	111 15	6749
OL ON TANK	391752.31	0944130.87	1B	1185		159	88 57	7322
OL ON ANTENNA	391836.82	0944106.47	1B	1157		131	61 35	10058
ANTENNA ON BUILDING	391741.34	0944057.27	1B	1161		135	94 14	10076
ANTENNA ON OL BUILDING	391644.42	0944019.26	1B	1214		188	114 43	14885



TOUCHDOWN ZONE RUNWAY	ELEVATION
1	1011
19	988
9	1014
27	1026

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(NOT TO SCALE)